



Update on ECS System Performance, Schedules, Planned Capabilities

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System Performance Week of 5/22-28



Function	Goal	Actual
NSIDC MODIS L2+ Ingest (Gbytes)	56.0	72.6
EDC MODIS L2+ Ingest (Gbytes)	539.0	584.0
GSFC MODIS L2+ Ingest (Gbytes)	203.0	~300.0
GSFC L1 Distribution to MODAPS (Gbytes)	1589	~1400
GSFC Production (DPRs)	4872	4407

Future SDPS/EDG Releases



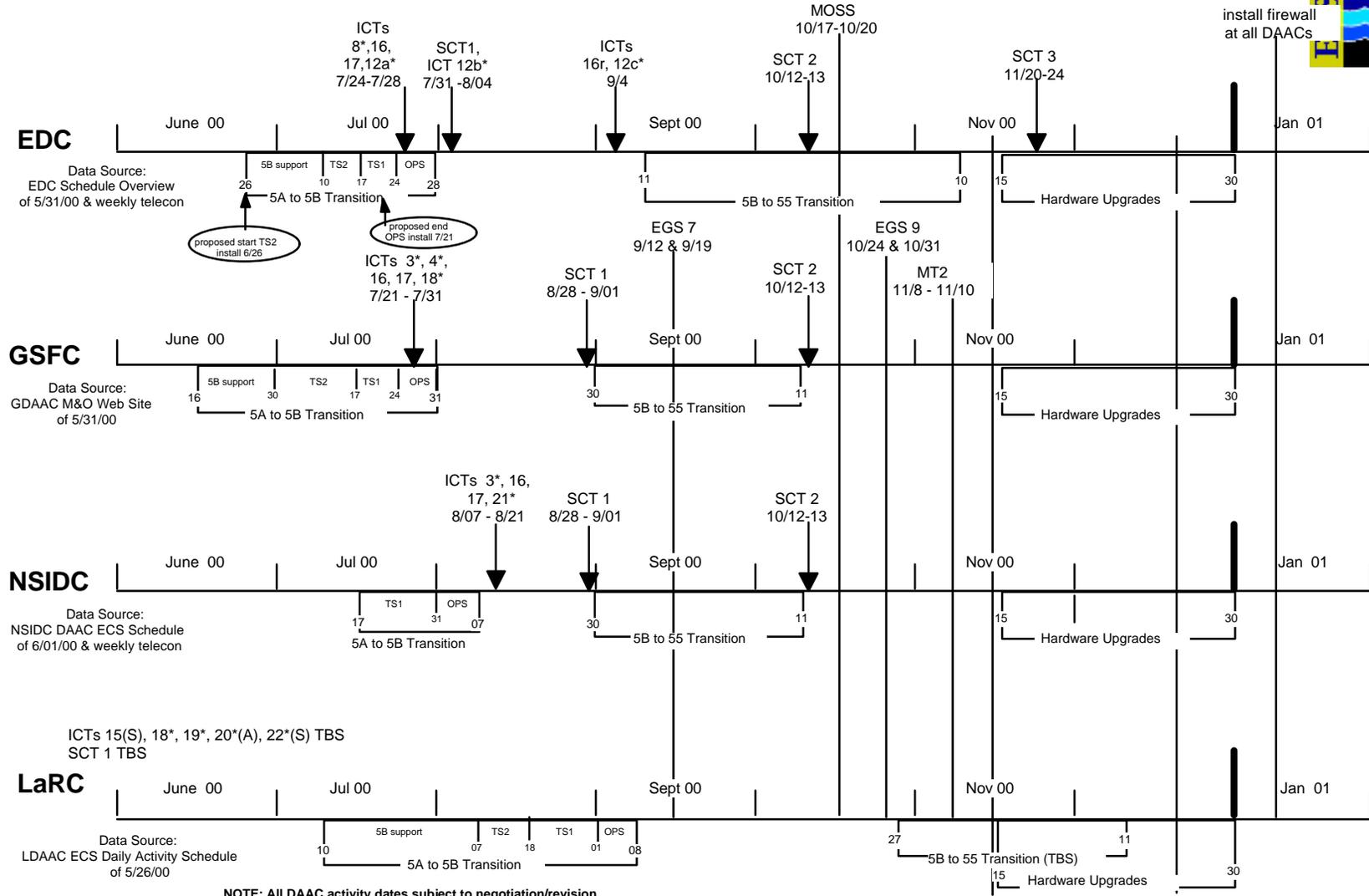
- **RELEASE 5B (CSR: 5/11/00)**
 - **AQUA SPECIFIC FUNCTIONALITY**
 - Aqua ESDT development
 - Aqua data type ingest
 - Aqua SSI&T
 - SDP Toolkit enhancements; C++ and Multi-threaded
 - Production rules; closest granule, spatial padding and AIRS orbit processing runtime parameters
 - Aqua DPREP (5B Patch)
 - New Ancillary data types (5B Patch)
 - **OTHER FUNCTIONALITY**
 - Update ESDT attributes
 - User authorization checks to determine the services available to a user; restricted granules based on quality flag
 - Landsat 7 floating scene and band subsetting
 - V0 Gateway and EDG enhancements to support full core metadata and product-specific attributes, Landsat-7 floating scenes and L-7 billing
 - Fully automated ASTER on-demand processing support with non-default parameter values
 - ASTER Browse; DEM and L1B
 - Java DAR Tool Submit/Query Status
 - One-way interoperability with ASTER GDS for on-demand requests; Two-way interoperability search and order requests
- **RELEASE 55: Support for SGI IRIX 6.5 and Origins (Installations: 7/11/00-10/31/00)**
- **RELEASE 6A (CSR: 12/15/00)**
 - Production capacity up to 4,000 PGEs/day at each DAAC
 - System throughput changes for Aqua & Terra ramp up
 - Reprocessing support for products previously archived
 - Machine-to-machine search and order gateway for SIPS
 - Data distribution on DLT and CD-ROM formats
 - Data distribution with compression; Unix & Gzip
 - FTP Pull subscriptions
 - Archive performance enhancements
 - L-7 IGS Ingest for F0 metadata and browse via 8mm tape
 - Landsat-7 MOC engineering data ingest
 - ICESAT/GLAS ESDTs
 - Next generation web-based search and order interface (IIMS)
- **RELEASE 6B (CSR: 3/21/01)**
 - CHEM support
 - Enhanced fault recovery - failover

Other Future Capabilities



- Capacity Upgrades to Support Terra Ramp - 10/00 to 1/01
 - 2.2X for L1 processing and distribution to MODAPS
 - Ingest of 1.65X for L2+ from MODAPS
- Interface for External, Local Processing Systems - 10/00
- Integration with GSFC DAAC Simple Script-based Science Processing System - 2/01
- Independent Information Management System (IIMS) - 1/01
 - Allows next-generation of clients to be developed by user community
- Interface for External Distribution Services and Systems - 1/01
- Integration with MODIS Subsetting Capabilities from UAH - 3/01
- Spatial subscriptions - 6/01

Aqua/5B Test Activities by DAAC



- Key to ICT's**
- 3* = EDOS
 - 4* = NOAA
 - 8* = Landsat 7
 - 12* = Aster GDS
 - 15 = SAGE MOC
 - 16 = EDG
 - 17 = MODAPS
 - 18* = EMOS/FDs
 - 19* = LaTIS
 - 20* = ACRIM
 - 21* = AMSR-e SIPS
 - 22* = SAGE SIPS

- ICT= Interface Confidence Test (Averstar Test): Test Mode
Single DAAC/Single Interface/<1 day Ex: Protocol Test
- SCT= System Confidence Test (Averstar Test): OPS mode
Single DAAC/All Interfaces/1 day Ex: Terra EGS10
- MT2= Mission Test 2 (Spacecraft test): Test/OPS mode
Real time Spacecraft Test/3 day Ex: Terra Alpha test
- MOSS= Mission Ops and Science Systems (ESDIS test): OPS mode
Multi-DAAC/All Interfaces Ex: Terra TESS & MOSS
- EGS= EOS Ground System (MRTT test): Test/OPS mode
Mission System Interface & Performance Tests

Aqua ORR 11/15/00
Aqua LRD 12/21/00

Aqua tests by DAAC.13 6/07/00